Cytometer Performance Report

Cytometer:	FACSCantoII	User:	Administrator
Cytometer Name:	FACSCantoII	Institution:	N/A
Serial Number:	V33896201821	Software:	BD FACSDiva 8.0.2
Input Device:	Carousel	Date:	10/01/2021 09:42 AM
Tube Loaded Manually:	Yes	Cytometer Baseline:	06/17/2021 10:50 AM
Cytometer Configuration:	Euroflow 3-laser, 8-color (4-2-2)	P/F:	Pass

Setup Beads

Bead Product:	CST Setup Beads	Part #:	910859
Lot ID:	12757	Expiration Date:	06/30/2022
Bead Lot Information:	Available		

Detector Settings

Laser	Detector	Parameter	Target Value	Actual Target Value	% Difference Target Value	Bright Bead % Robust CV	Mid Bead Median Channel	Mid Bead % Robust CV
Blue	FSC	FSC	125000	123063	-2	1.61	122937	1.57
Blue	F	SSC	125000	122091	-3	2.74	122403	2.59
Blue	E	FITC	13131	12516	-5	2.42	289	15.26
Blue	D	PE	24112	23471	-3	1.85	537	10.95
Blue	B	PerCP-Cy5-5	31295	30311	-4	3.15	1002	14.7
Blue	A	PE-Cy7	19939	19606	-2	5.18	518	29.25
Red	C	APC	42122	41106	-3	3.13	1724	11.4
Red	A	APC-Cy7	22340	21538	-4	3.44	805	11.65
Violet	B	V450	7410	7171	-4	4.15	438	13
Violet	A	V500	28118	27115	-4	3.73	678	10.22

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	22864	1.32	567	-2	N/A	N/A	Pass
Blue	F	SSC	56790	1.47	517	5	N/A	N/A	Pass
Blue	E	FITC	53	54.62	485	-2	0.0459	150	Pass
Blue	D	PE	113	38.92	488	0	0.4512	410	Pass
Blue	B	PerCP-Cy5-5	187	34.82	583	-3	0.0190	6	Pass
Blue	A	PE-Cy7	103	67.02	625	-3	0.0218	0	Pass
Red	C	APC	398	23.5	578	2	0.0278	136	Pass
Red	A	APC-Cy7	179	27.55	552	1	0.0064	1080	Pass
Violet	B	V450	61	65.33	457	4	0.0568	2301	Pass
Violet	A	V500	97	33.12	468	3	0.0235	524	Pass

Specifications

PMTV Delta from baseline:	50 (BD)
Violet Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Blue Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Red Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)

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Laser Settings

Laser	Power (mW)	Power Spec. (mW)	Current (mA)	Current Guidelines (mA)	Delay (Trigger on FSC)	Delay (Trigger on Fluorescence)	Area Scaling Factor
Violet	59.57	47.97 - 71.95	N/A	N/A	-32.03	-31.74	1.04
Blue	20.35	16.28 - 24.42	1.28	1.02 - 1.52	0.00	0.00	1.42
Red	16.72	13.60 - 20.40	N/A	N/A	30.08	30.41	1.22

Window Extension: 7.00
FSC Area Scaling Factor: 0.75

Threshold

Threshold (FSC): 9748

Fluidics

FACSFlow Pressure: 3.90 Sample Pressure: 3.70
Spec.: 3.80 - 4.00

Comments